

Forming of informational culture as a necessary condition of the level raising of higher education

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Abstract

© 2017 Serials Publications. The relevance of declared problem in the article is caused by the fact that in the 21st century - a century of nano- and computer technologies - knowledge is required not only in the sphere actually qualifications from the specialist of any sphere of action, but also ability to carry effectively out search, selection, processing and an assessment of the obtained information, to create new, and also ability to computer literacy and information communication. This article is aimed at the disclosure of the process of forming of informational culture as a prerequisite for the level raising of higher education. During the research work the following methods were used: a theoretical analysis of pedagogical, psychological and methodological literature and materials for the informatization of educational system, electronic resources on the problem; systematization and generalization of pedagogical experience. The article highlights the components of the informational culture of the future teacher: computer literacy, informational competence, informational and cultural creativity and informational reflection, as well as the criteria for its formation: motivational, cognitive, activity and reflective. The key approaches are identified (information-communicative, axiological, system-activity, environmental, cultural) and principles (personal-professional orientation, the integration of the subject of activity, variability, openness, continuity, reflexivity, dialogization and personalization of the teacher and students, cooperation of teacher and students, globalization), which ensure the effectiveness of formation of informational culture of students of educational institutions of higher education. The contents of this article can be useful for teachers, adapting to the new conditions of professional work in the field of higher education, professionals in the field of information and communication technologies.

Keywords

Competence approach, Higher education, ICT, Information literacy, Informational culture

References

- [1] Andrushchenko, V.P. (1988). Ideological efficiency of culture. Kiev: Higher school.
- [2] Apatova, N.V. (1994). Information technologies in school education. Moscow: Institute of comprehensive school RAO.
- [3] Borodina, V.A. (1998). Informational culture in the developing training: psychosemioticscommunication bases. The developing training: materials of scientific methodical conference, 18-19 feb., St. Petersburg, 61-63.
- [4] Branovsky, Y. S. (2002). Work in the information environment. The higher education in Russia, 1: 81-87.
- [5] Cherdymova, E.I. (2002). Formation of noospheric ecological consciousness. Izvestiya of the Samara Scientific Center of the Russian Academy of Sciences, Special issue "Actual problems of psychology. Samara Region": 47-51.
- [6] Cherdymova, E.I. (2010). "Ecological Consciousness" and "Ecological Culture" in the Model of Ecological Education. Izvestiya of the Samara Scientific Center of the Russian Academy of Sciences, 3: 137-140.

- [7] Dzhinchardze, N.G. (1997). Informational culture of the personality: formation and tendencies of development (social and philosophical analysis): thesis of the Doctor of Philosophy: 09.00.03. Kiev: Kiev national university.
- [8] Dzugoyeva, M.K. (2003). Statement and the solution of tasks - a basis of informational competence of students. Problems of quality of education: Materials XIII of the All-Russian meeting, Moscow, 31-36.
- [9] Fokeev, V.A. (1997). Information in the context of culture. Informational culture. Problems of informational culture, 6: 157-176.
- [10] Gendina, N.I., Kolkova, N.I., Starodubova, G.A. (1999). Informational culture of the personality: diagnostics, technology of formation: educational and methodical grant. Kemerovo: Kemerovo state academy of culture and arts.
- [11] Gendina, N. I. (2009). Informational culture, creativity and creativity of the graduate of the higher school in the context of problems of development of the human capital of information society. Informational society, 2 (1): 57-63.
- [12] Gendina, N.I., Kolkova, N.I., Skipor, I.L., Starodubova, G.A. (2002). Formation of informational culture of the personality in libraries and educational institutions. Moscow: School Library.
- [13] Gershunsky, B.S. (1990). Literacy for the 21st century. Pedagogics, 4: 58-64.
- [14] Gorvits, Y.M. (1998). New information technologies in preschool education. Moscow: LINKAPRESS.
- [15] Gromtseva, A.K. (1983). Formation at school students of readiness for self-education: the manual on a special course for students of teacher training colleges. Moscow: Education.
- [16] Gubersky, L.V. (2002). Culture. Ideology. Personality: metodologo-world outlook analysis. Kiev: Knowledge of Ukraine.
- [17] Guk, A.G. (1999). Information society and informational culture of seniors. Informational culture in structure of a new paradigm of education: collection of articles, Kemerovo: Kemerovo state academy of culture and arts, 48-52.
- [18] Hangeldiyeva, I.G. (1993). About the concept "informational culture". Informational culture of the personality: past, real, future: international science conference, Krasnodar, on September 23-25, 2-7.
- [19] Khairullina, E.R., Makhotkina, L.Yu., Kiryakova, A.V., Baranov, V.V., Maksimova, O.G., Khrisanova, E.G., Piralova, O.F., Masalimova, A.R. (2016). The real and the ideal engineer-technologist in the view of employers and educators. International Review of Management and Marketing, 6(1): 134-138.
- [20] Kinelev, V.G. (2010). Role of information and communication technologies in ensuring quality and availability of the higher education. Open education, 3: 76-81.
- [21] Klochko, I.A. (2012). Formation of informational competence of specialists in social protection of the population of system of secondary professional education. Psychology and pedagogics: technique and problems of practical application, 24-2. <http://cyberleninka.ru/article/n/formirovanie-informatsionnoy-kompetentnosti-spetsialistov-po-sotsialnoy-zaschitenaseleniya-v-sisteme-srednego-professionalnogo>
- [22] Krylova, N. B. (1990). Formation of culture of future expert. Moscow: Research center of problems of quality of training of experts.
- [23] Lebedeva, M.B., Shilova, O.N. (2004). What is ICT competence of students of pedagogical university and as to form it? Informatics and education, 3: 95-100.
- [24] Minkina, V.A. (1998). Formation of informational culture of the personality: role of the bibliographer. World of the bibliography, 4: 21-23.
- [25] Morgenstern, I. G. (2000). Information society: manual for students of information and library faculty. Chelyabinsk: Ural LTD.
- [26] Olkhovaya, T.A., Shukhman, A.E., Nevolina, V.V., Amirova, L.A. and Zaitseva, N.A. (2016). A Synergy-Based Approach through Developing Cross-Disciplinary Module. International Electronic Journal of Mathematics Education, 11(3): 467-474.
- [27] Pidkasty, P.I. (1980). Independent cognitive activity of pupils. Moscow: Education.
- [28] Polyakova, T.I. (2005). Informational culture of the modern teacher as factor of his professional development: the abstract on competition of the candidate of psychological sciences. St. Petersburg: SPbAPPO.
- [29] Pronina, L.A. (2012). Informational culture of the teacher of higher education institution in the conditions of modernization of education. Messenger TGU, 4(108): 293-299.
- [30] Pronina, L.A. (2011). Informatization of cultural and educational space: methodological aspects of research: monograph. Germany: LAP.
- [31] Raisky, B.F., Skatkin, M.N. (1983). Management of self-education of school students: from experience. Moscow: Education.
- [32] Romanova, M.L. (2014). Education informatization as factor of formation of informational competence of students. Open and remote education, 1: 11-16.
- [33] Rozin, V.M. (1997). Impact of audiovisual information and culture on the person. Information and psychological safety, 1: 35-43.
- [34] Schukina, G.I. (1979). Activation of cognitive activity of pupils in educational process. Moscow: Education.
- [35] Semenovker, B.A. (1994). Informational culture: from the papyrus to compact optical disks. Bibliography, 1: 11-15.
- [36] Semenyuk, E.P. (1994). Informational culture of society and progress of informatics. NTI. Ser. 1, 1: 1-9.
- [37] Semyonov, A.L. (2000). Role of information technologies in the general secondary education. Moscow: MIPKRO.
- [38] Shapiro, E. L. (1975). About the ways of reduction of uncertainty of queries. Scientific and technical information. Ser. 1(5): 3-7.
- [39] Skvortsov, L.V. (2001). Informational culture and integral knowledge. Moscow: INION.
- [40] Starodubova, G.A. (2001). Formation of informational culture of the personality in the conditions of educational and information and library institutions. Materials of regional scientific and practical conference "Informational culture in the context of a new paradigm of education: problems, searches, decisions", Kemerovo, 59-61.
- [41] Starovoytova, O.R. (2001). Short reference book of the school librarian. St. Petersburg: Profession.
- [42] Sukhanov, A.P. (1988). Information and progress. Novosibirsk: Knowledge.
- [43] Sukhina, V.F. (1999). The person in the world of informatics. Moscow: Radio and communication.
- [44] Tarasova, O.I., Dolzhenko, O.V. (2009). Education: from mass media to "life lessons". The higher education in Russia, 4: 12-17.
- [45] The Moscow declaration on media and information literacy (2012 on June 24-28). <http://www.ifapcom.ru/ru/news/1347>.
- [46] Veryaev, A.A. (1999). Problem of forming of informational culture of the personality. Science and education on the dawn of the third millennium, 1: 32-41.
- [47] Vinarik, L. S., Shchedrin, A. N., Ginkul, A. S. (2009). Informational culture. Donetsk: NAN of Ukraine.
- [48] Vinogradov, V.A., Skvortsov, L.V. (1991). Creation of informational culture for Europe. Theory and practice of public and scientific information, 2: 5-29.
- [49] Vlasova, V.K., Kirilova, G.I. and Curteva, O.V. (2016). Matrix Classification of Information Environment Algorithms Application in the Educational Process. International Electronic Journal of Mathematics Education, 11(1): 165-171.
- [50] Vokhrysheva, M.G. (1997). Formation of science about informational culture. Problems of informational culture. Methodology and organization of information and culturological researches, 6: 57-65.
- [51] Vygotsky, L.S. (1984). Chosen psychological compositions. Moscow: Education.
- [52] Yershov, A.P. (1988). Concept of informatization of education. Informatics and education, 6: 4-8.
- [53] Yershov, A.P. (1988). Informatization: from computer literacy of pupils to informational culture of society. Communist, 2: 82-92.
- [54] Zaytseva, O.B. (2002). Formation of informational competence of future teachers means of innovative technologies. Thesis of the candidate of pedagogical sciences. Armavir: Armavir state teacher training college.
- [55] Zhaldak. (1989). System of training of the teacher for use of information technology in educational process: abstract of the thesis of the doctor of pedagogical sciences: 13.00.02. Moscow: NII SIMO APN USSR.
- [56] Zharova, L. V. (1986). Organization of independent scientific cognitive activity of pupils: manual. St. Petersburg: Leningrad.
- [57] Zinovyyeva, N. B. (1996). Informational culture of the personality: introduction to a course: manual for higher education institutions of culture and arts. Krasnodar: ÉGAÉ.
- [58] Zubov, Y. S. (1994). Informatization and informational culture. Problems of informational culture: collection of articles, Moscow, 6-11.